Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/06/2019 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126308	1	1.22	126370	1.22
Blue	F	SSC	125000	124584	-1	1.64	125410	1.62
Blue	E	FITC	16122	15768	-3	2.71	344	19.51
Blue	D	PE	29316	28799	-2	1.87	628	14.97
Blue	B	PerCP-Cy5-5	42590	42212	-1	3.57	1136	20.28
Blue	A	PE-Cy7	33146	32755	-2	5.93	629	40.18
Red	C	APC	45473	44751	-2	2.44	1582	12.08
Red	A	APC-Cy7	31961	30870	-4	2.39	813	12.19
Violet	B	V450	7914	7547	-5	5.00	421	14.15
Violet	A	V500	29769	28233	-6	4.87	657	10.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21029	3.33	609	9	N/A	N/A	Pass
Blue	F	SSC	56636	1.17	553	15	N/A	N/A	Pass
Blue	E	FITC	63	63.54	541	4	0.0218	183	Pass
Blue	D	PE	131	49.42	543	6	0.1491	236	Pass
Blue	B	PerCP-Cy5-5	208	49.42	648	10	0.0090	44	Pass
Blue	A	PE-Cy7	119	97.59	699	8	0.0111	13	Pass
Red	C	APC	376	24.95	587	8	0.0244	119	Pass
Red	A	APC-Cy7	180	29.46	563	7	0.0054	1104	Pass
Violet	B	V450	65	59.30	465	5	0.0384	1436	Pass
Violet	A	V500	98	31.77	476	4	0.0214	401	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.33	-31.96	1.01
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	16.64	13.60 - 20.40	N/A	N/A	29.56	30.02	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13165

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments